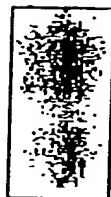


Figure 1A+1B

A. MCF-TR5-CD533

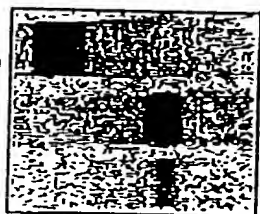
mRNA - + Dox



<sup>35</sup>S-Metabolic Labeling

EGFR

CD533



- + Lysare  
Dox

B. MDA-TR15-CD533

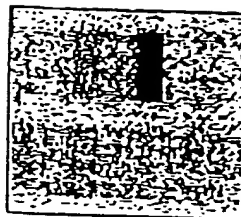
mRNA - + Dox



<sup>35</sup>S-Metabolic Labeling

EGFR

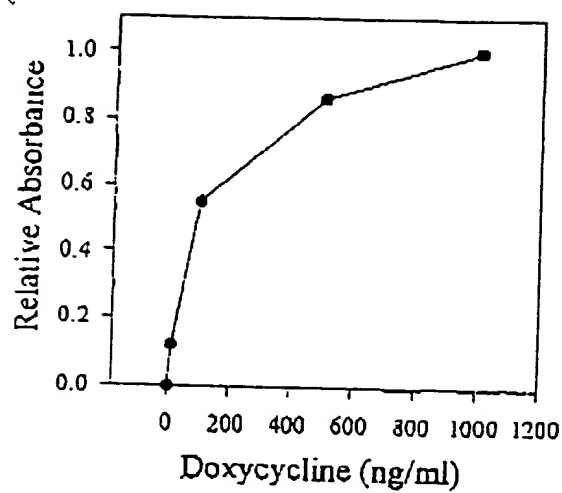
CD533



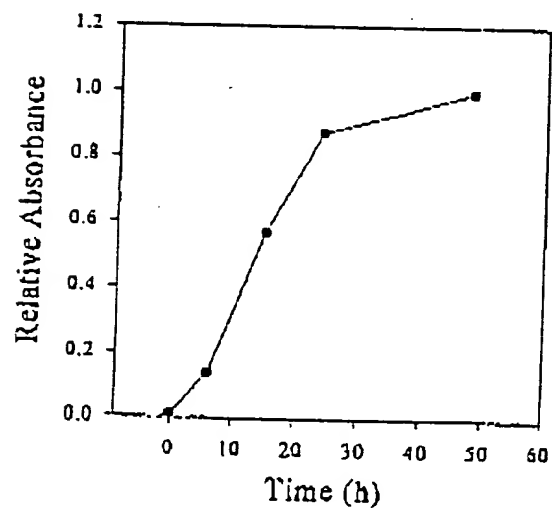
- + Dox

Figure 2A-C

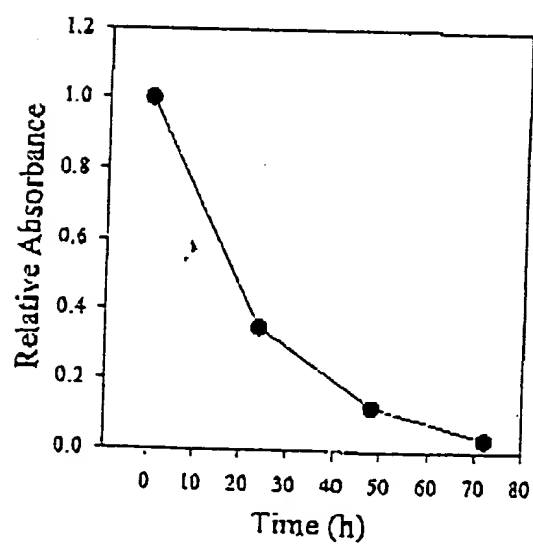
A.



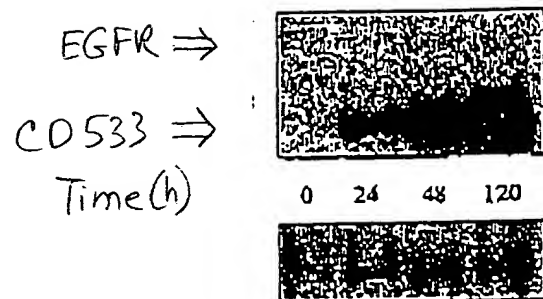
B.



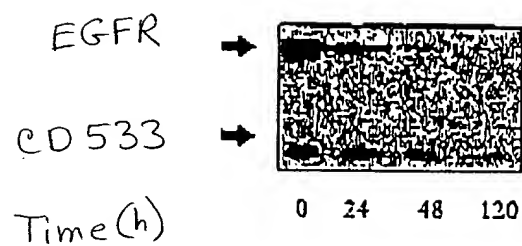
C.



A. EGFR-WT/CD533



B. EGFR-WT "activated"



C. ErbB-2

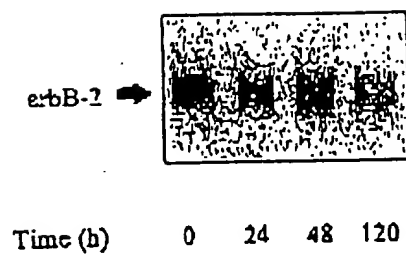




Figure 5A-C

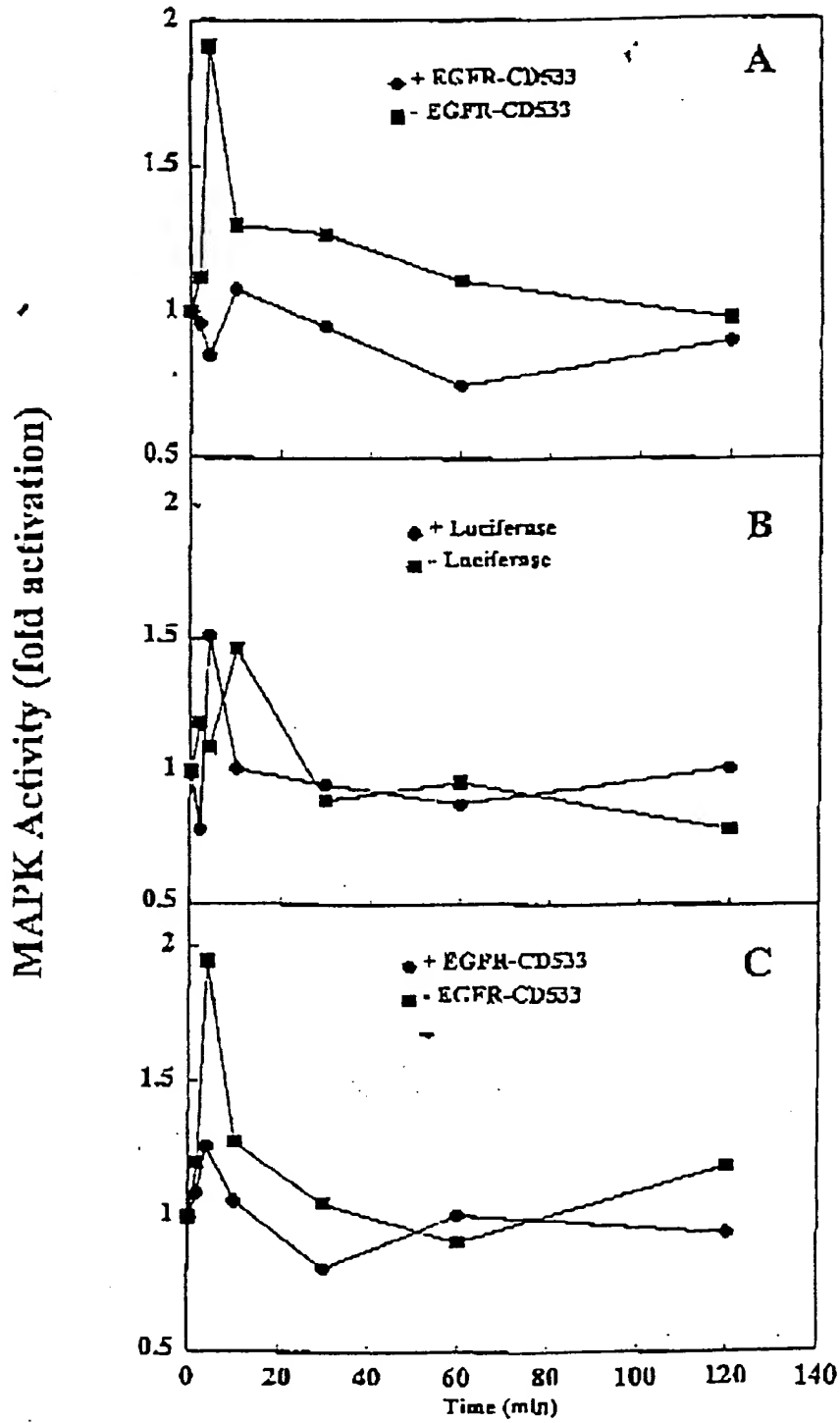


Figure 6A+6B

### Repeated Radiation Exposure Growth Assay

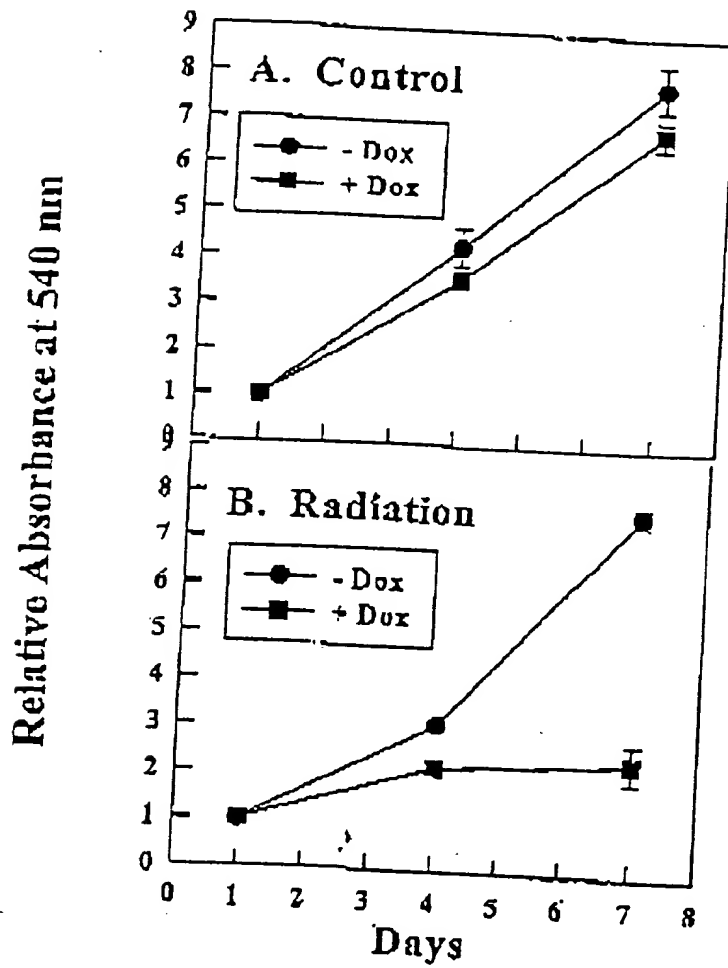
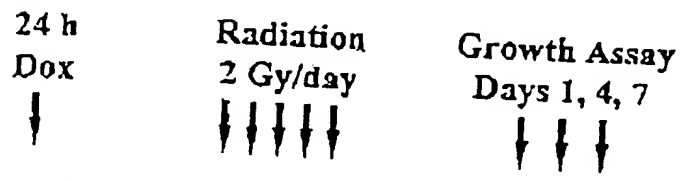


Figure 7A-D

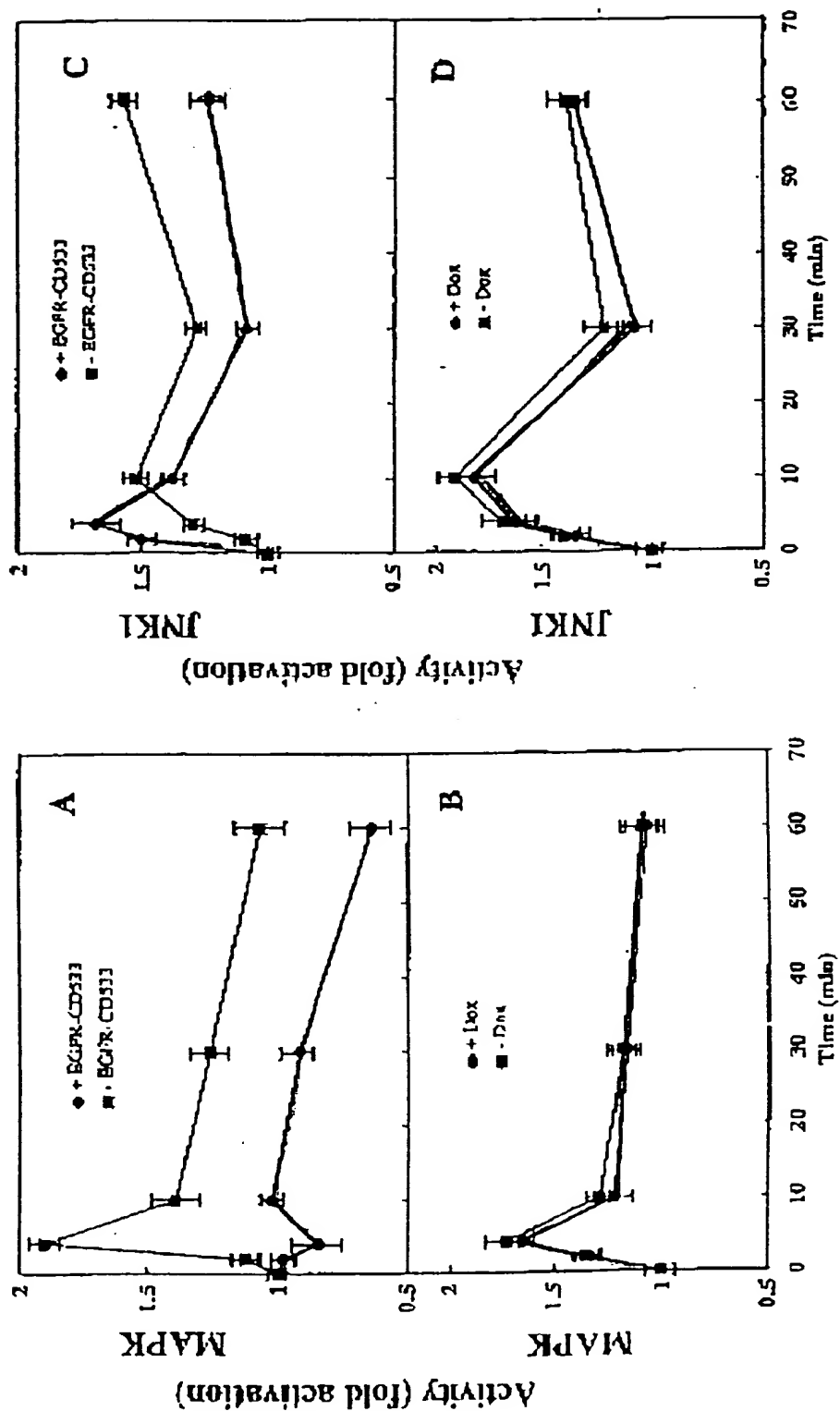
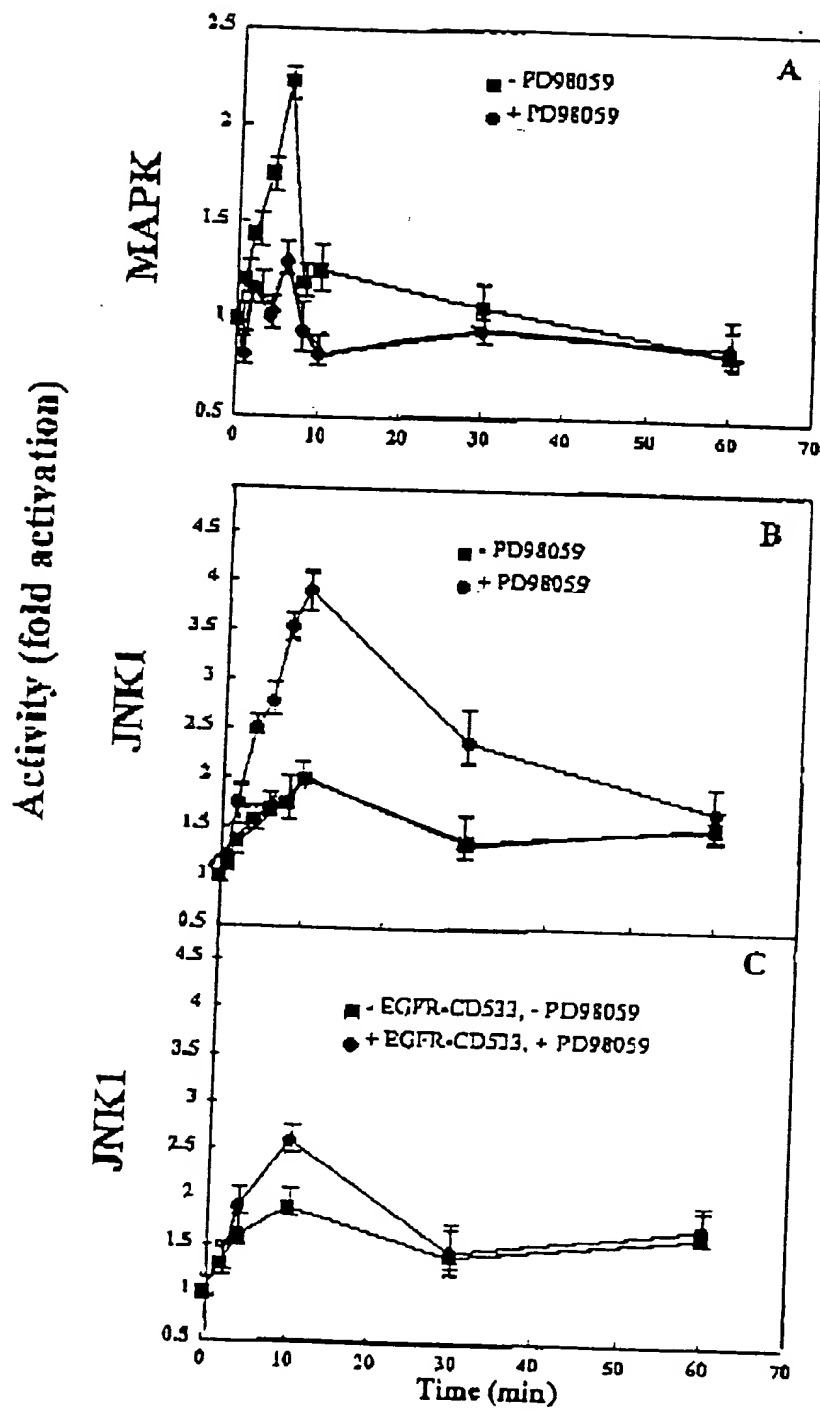


Figure 8 A-C





Activity (fold activation)

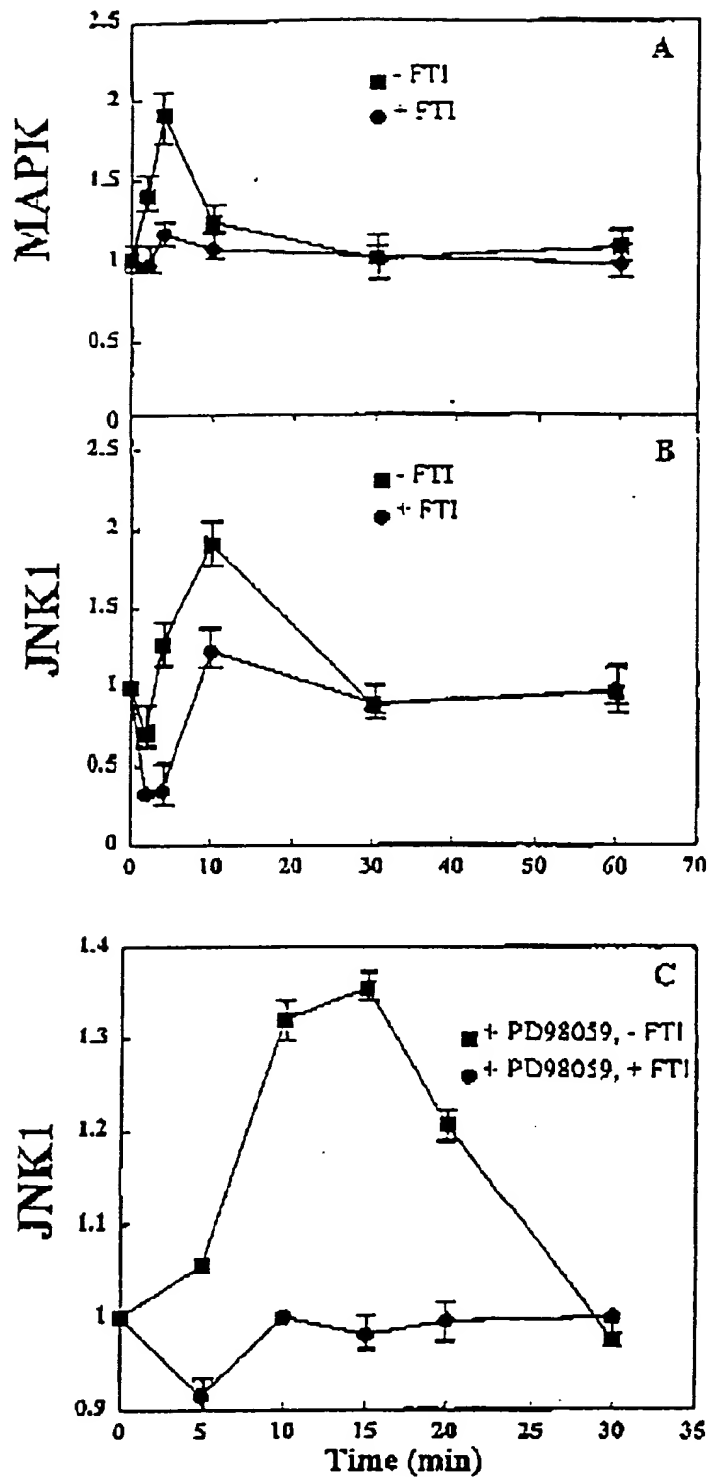





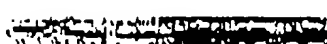


Figure 10A-B

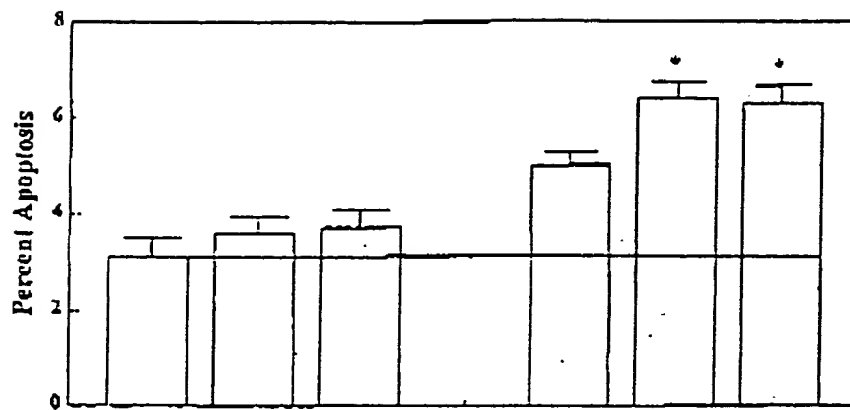
A

	Control						PD98059					
Time (min)	0	2	4	10	30	60	0	2	4	10	30	60
c-Jun 												
Relative c-Jun protein level	1	0.7	0.6	0.7	1.2	1.3	0.4	0.3	0.3	0.3	0.5	0.6

B

c-Jun 												
Relative c-Jun Ser 63 phosphorylation	1	0.4	0.6	3.6	17	3.9	0.4	1.2	4.8	12	16	6.6
Fold alteration in c-Jun Ser 63 phosphorylation relative to c-Jun protein	1	0.6	1	8	14	3	1	3	16	41	32	11

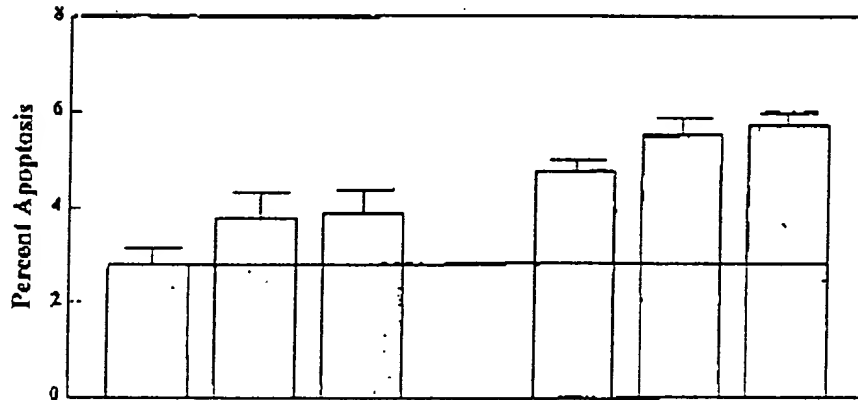
A



Irradiation  
EGFR-CD53  
PD98059

- - - + + +  
- + - - + -  
- - + - - +

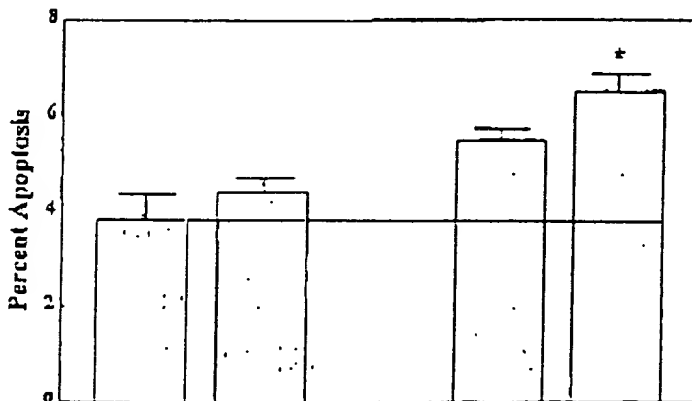
B



Irradiation  
Tam 67  
Null

- - - + + +  
- + - - + -  
- - + - - +

C

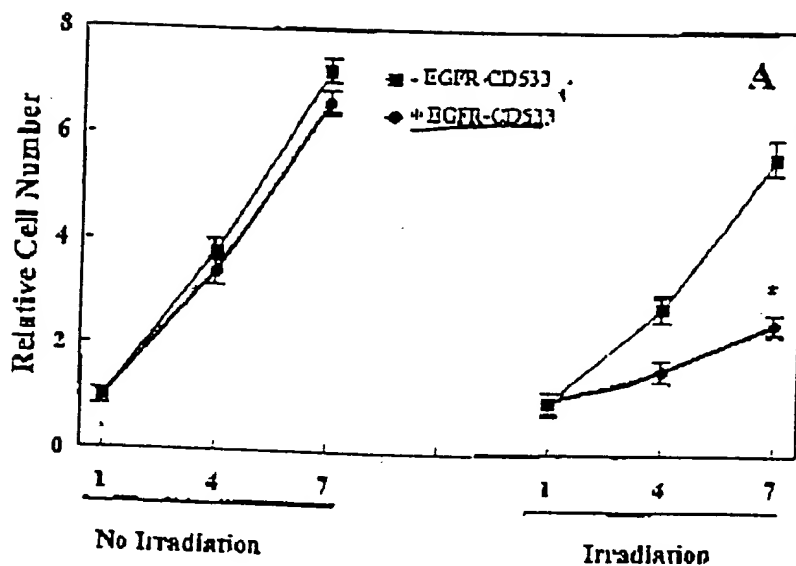


Irradiation  
Tam 67  
PD98059

- - + +  
+ + + +  
- - + +

Figure 12A-B

A



B

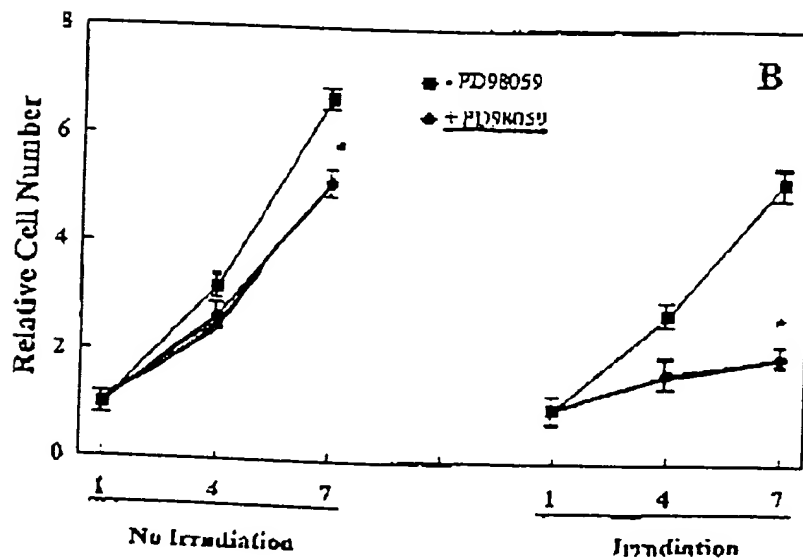


Figure 13.

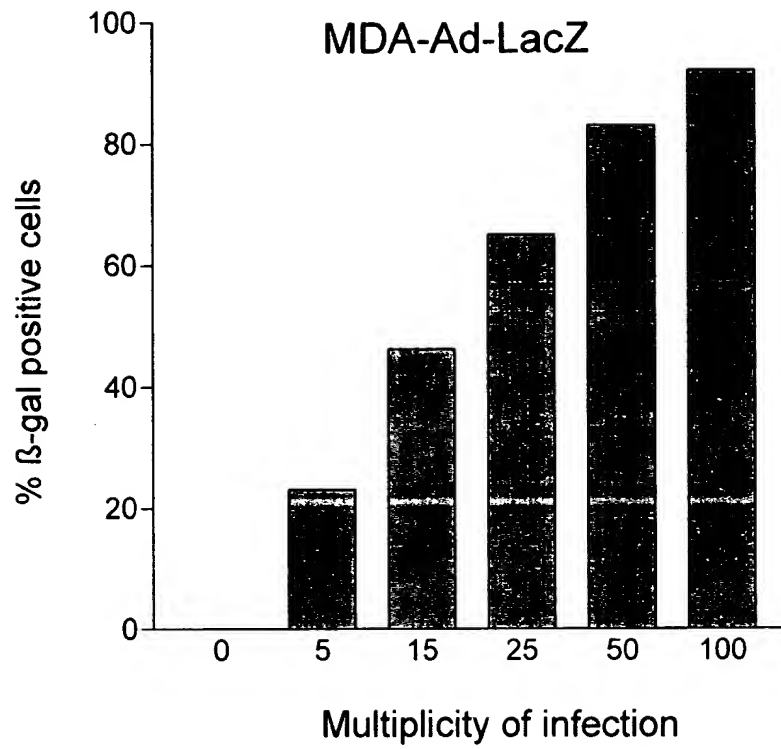
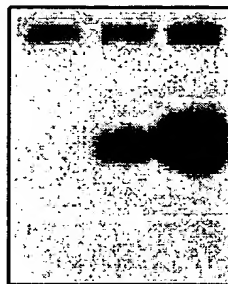


Figure 14

MDA-Ad-EGFR-CD533

Time (h)

0 24 48



← EGFR

← EGFR-CD533

Figure 15 A-C

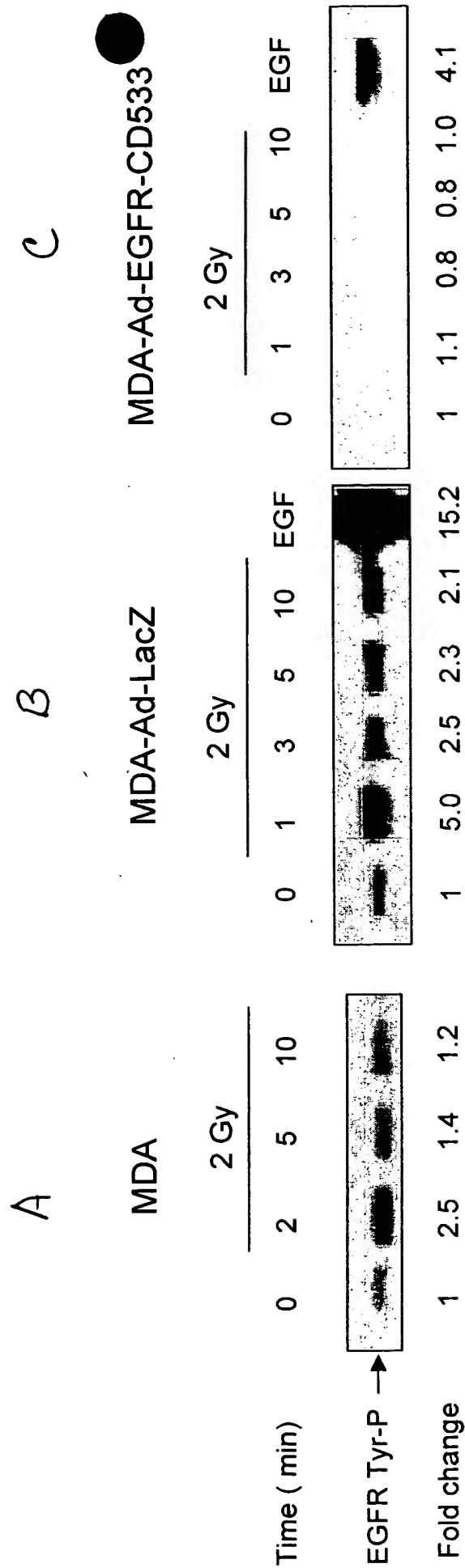
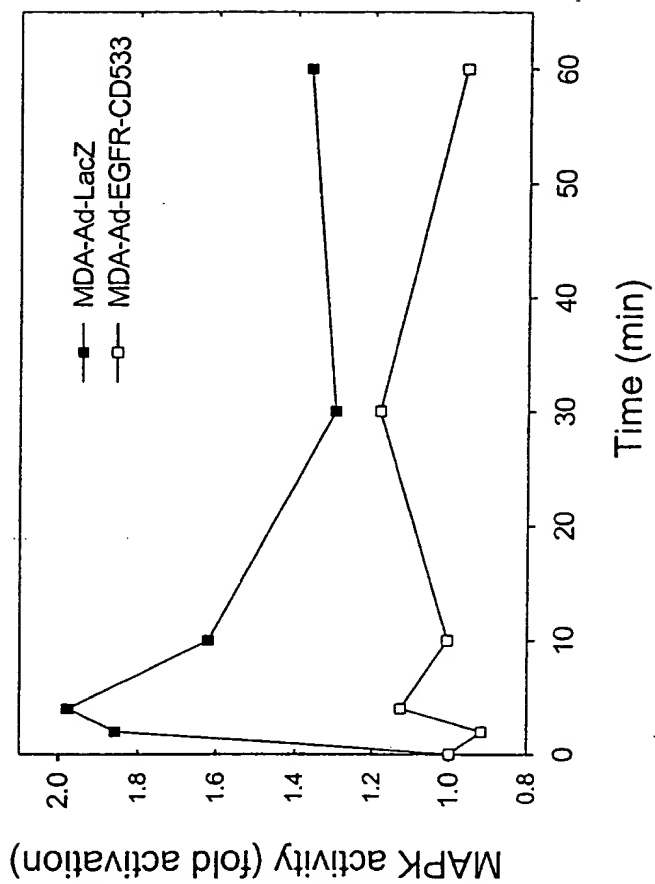
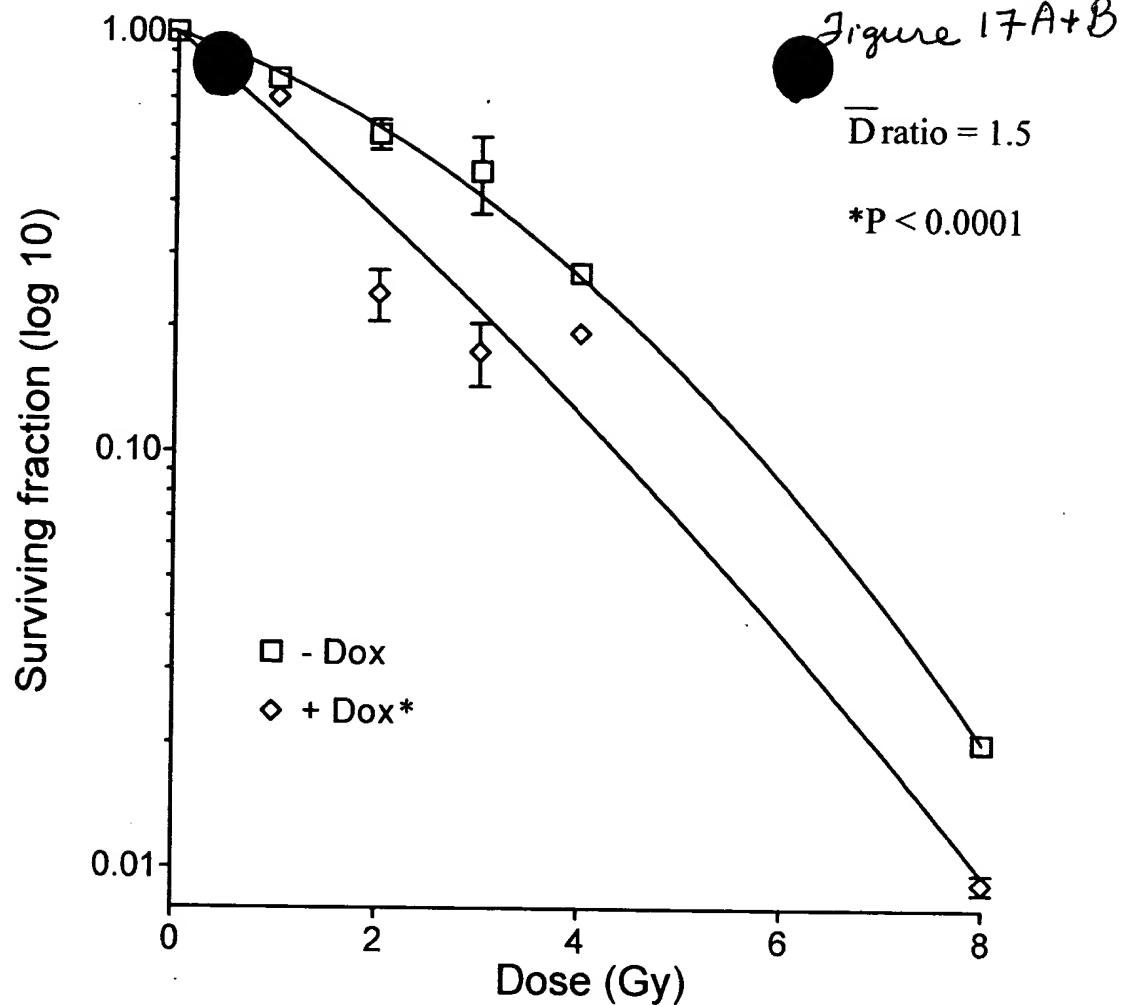


Figure 16





A



B

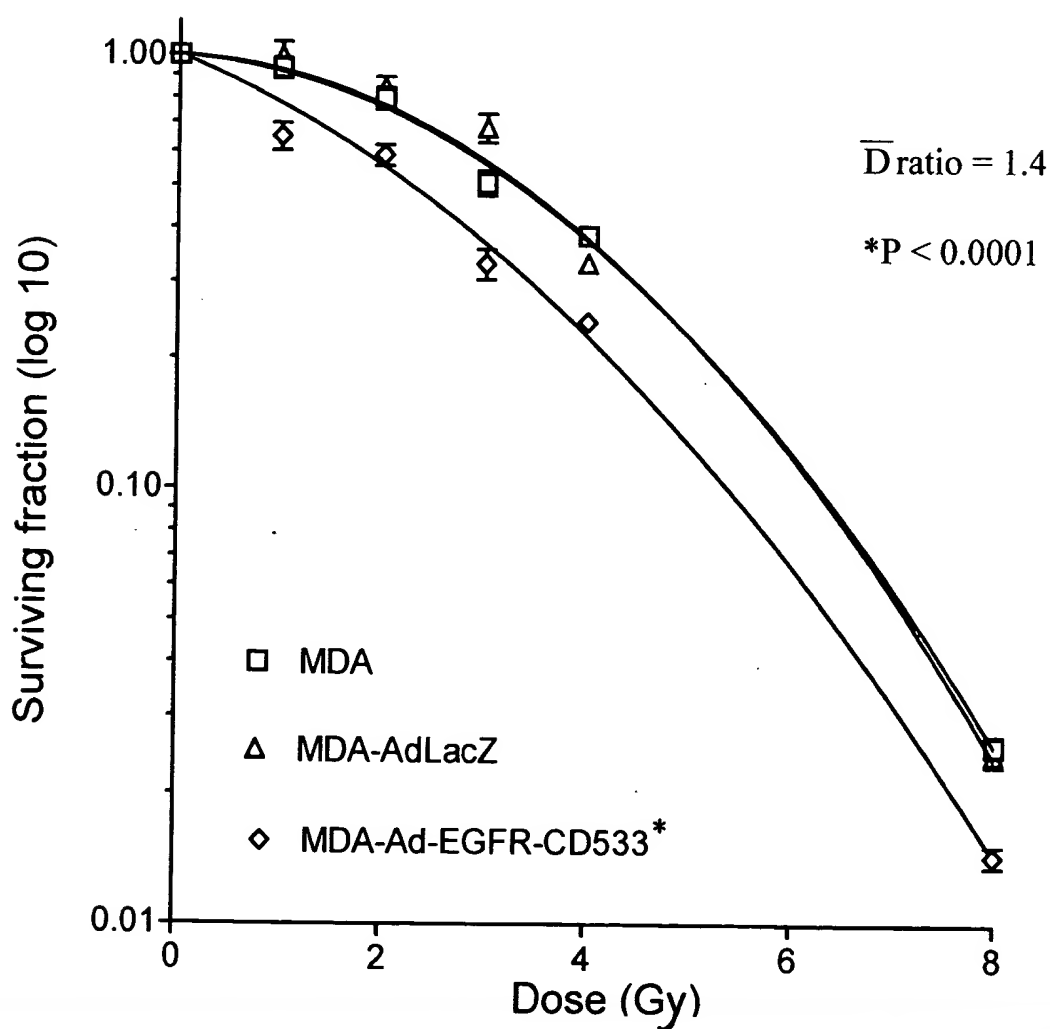


Figure 18A-B

✓

B



Time (min)

EGFR Tyr-P  $\uparrow$

**Fold change**

0 2 5 10

1.0 3.7 3.9 5.7



4 Gy

Time (min)

## EGFR

0

2

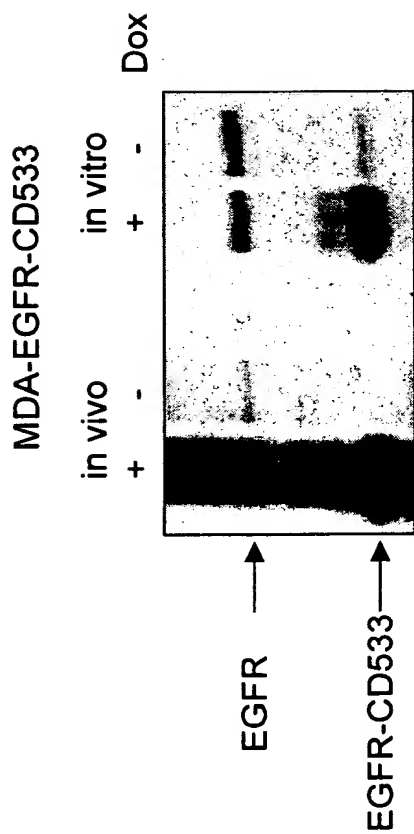
5

10

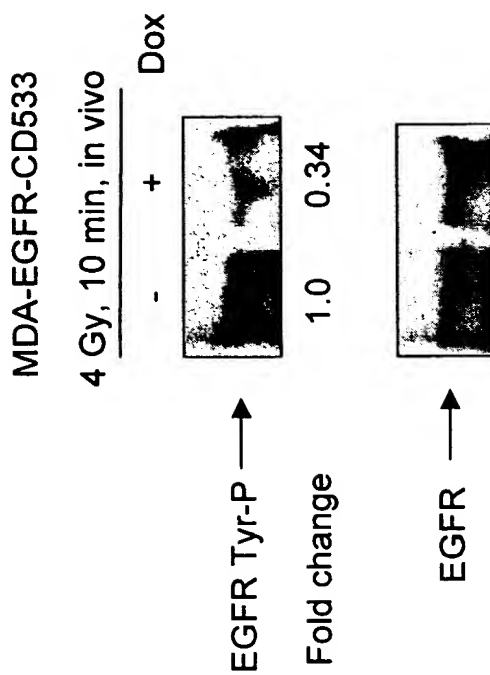


Figure 19 A+B

A



B



A

3

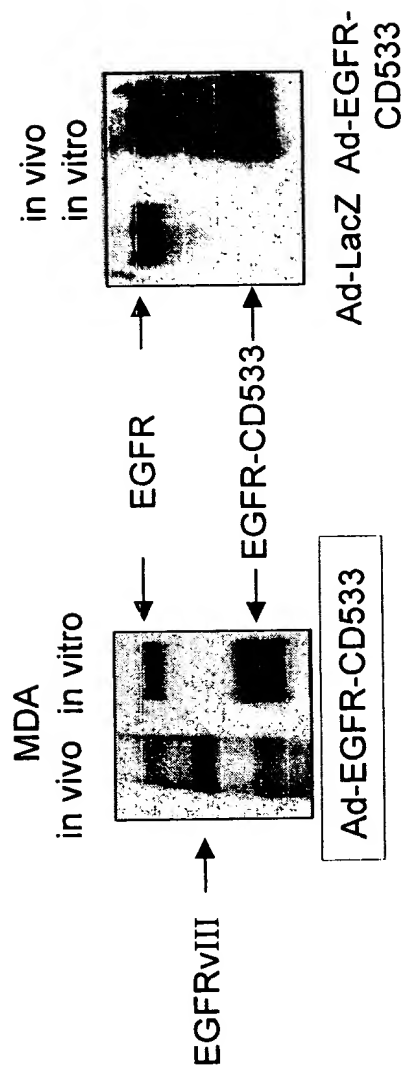


Figure 21

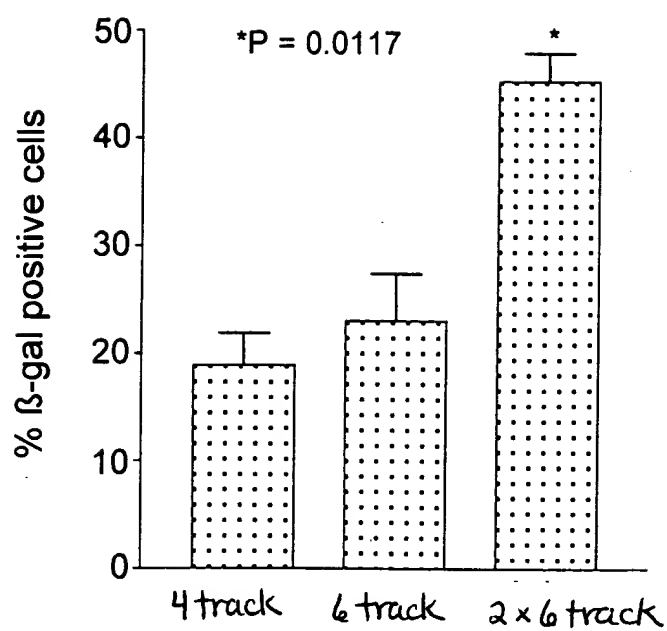


Figure 22

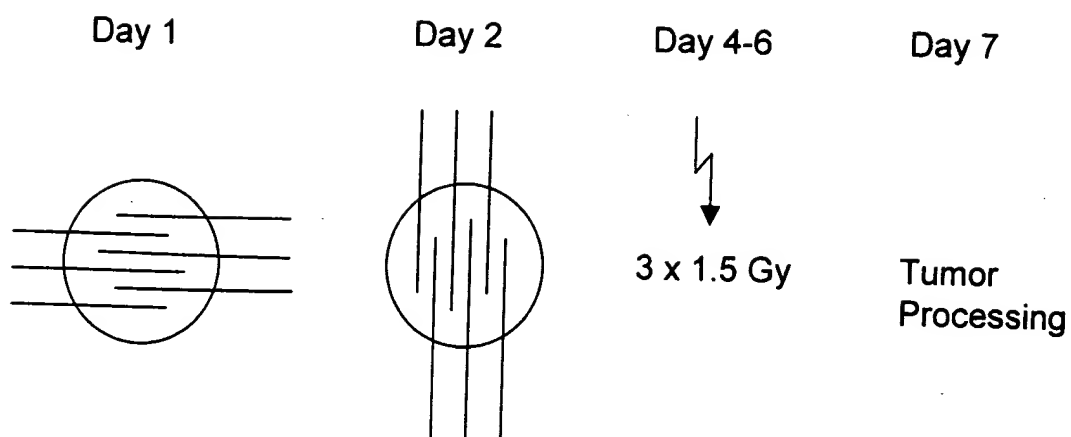
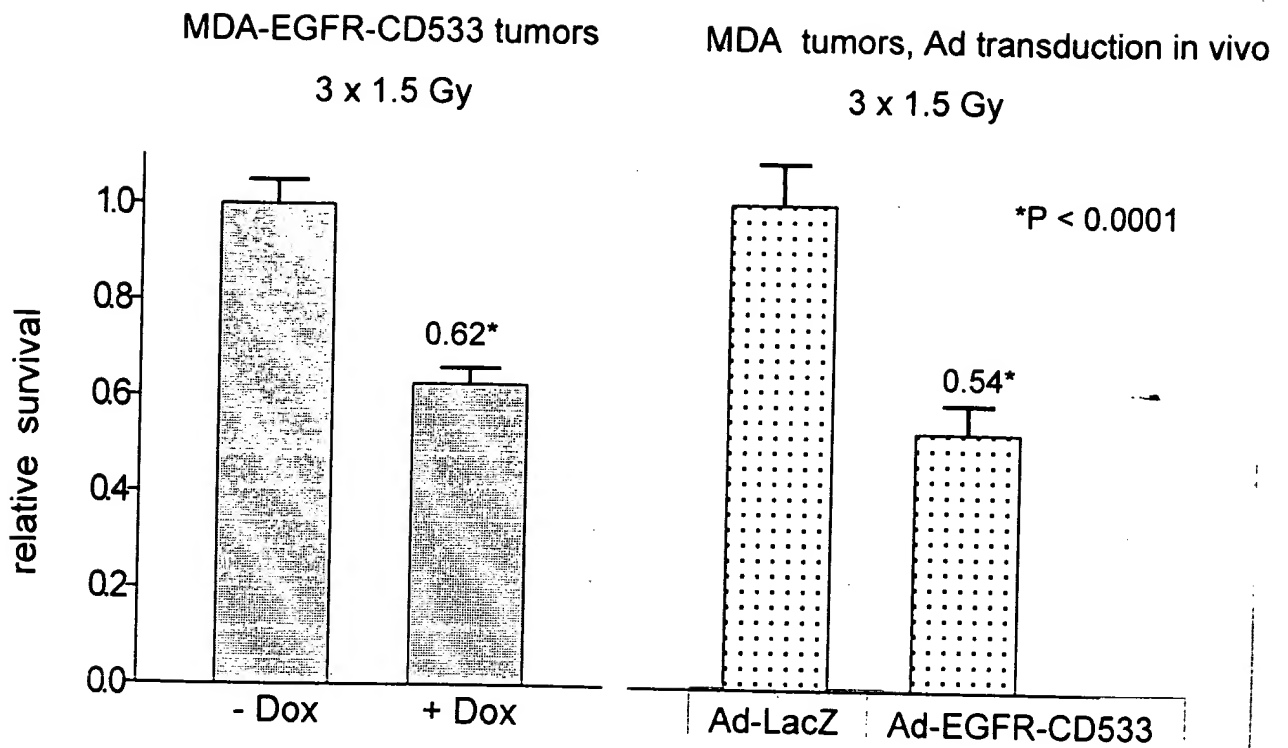
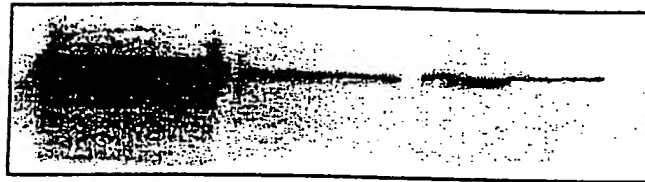


Figure 23

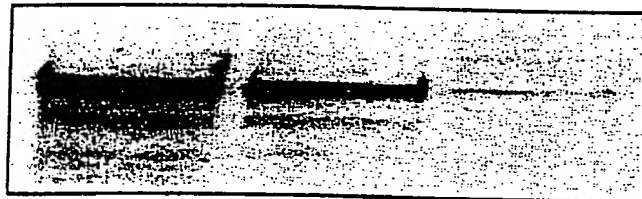


A-431 U-373 MG U-87 MG

ErbB-1 →



ErbB-2 →

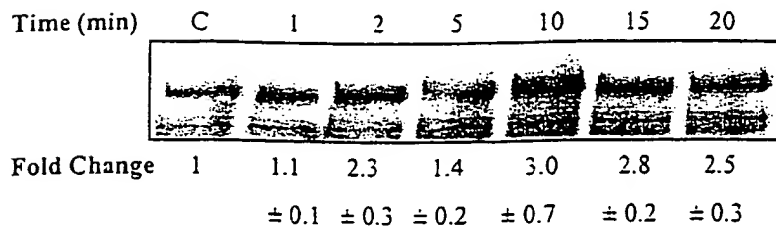




A.

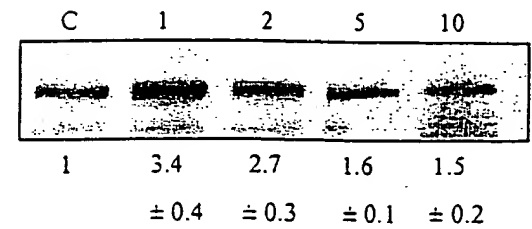
U-87 MG

Rad (2 Gy)



U-373 MG

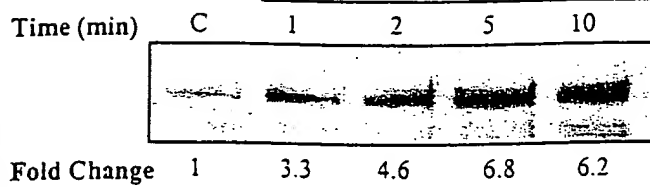
Rad (2 Gy)



B.

U-87 MG

EGF (10 ng/ml)



U-373 MG

EGF (10 ng/ml)

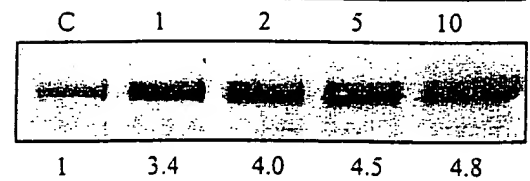


Figure 26

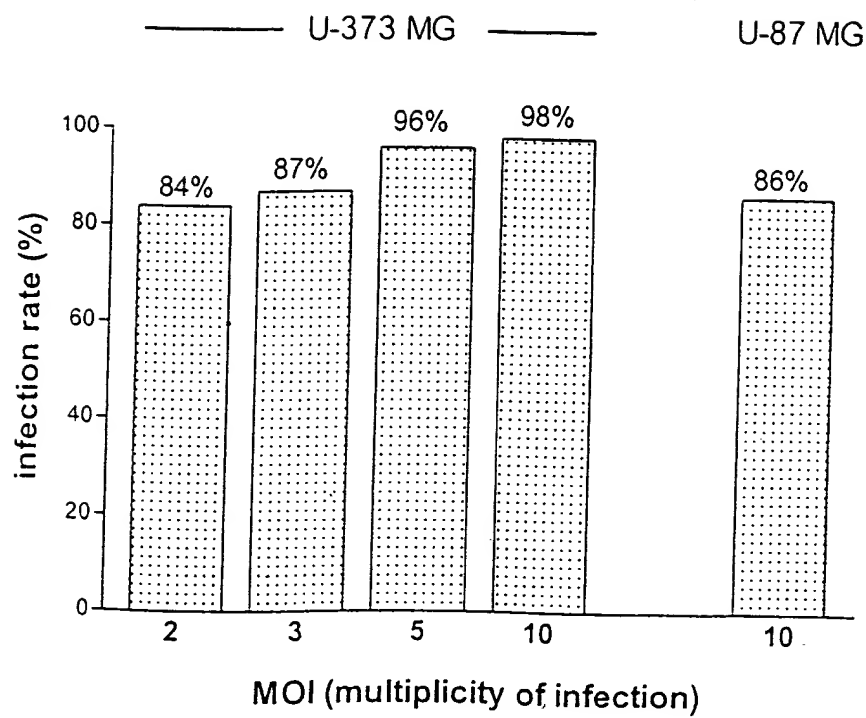


Figure 27

A

B

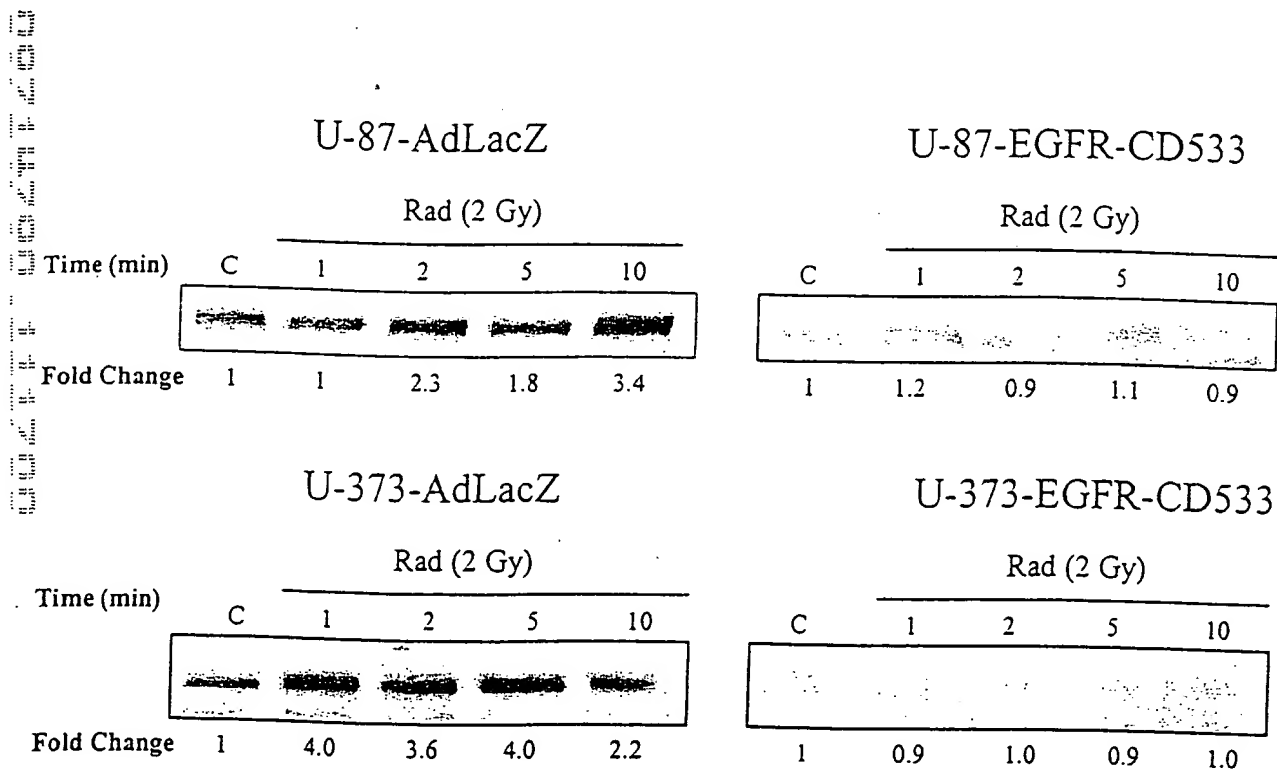


Figure 28

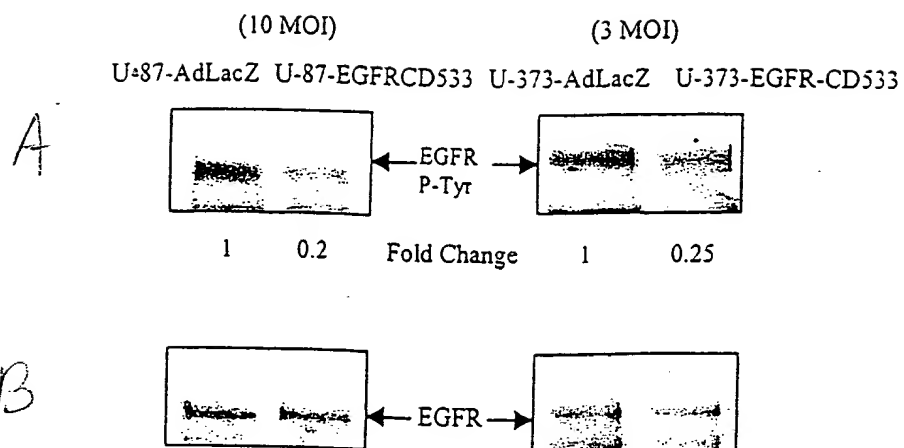
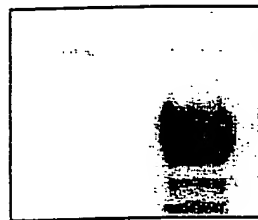


Figure 29A-B

U-87-AdLacZ U-87-EGFR-CD533 (10 MOI)

A

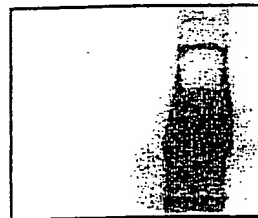


← EGFR

← EGFR-  
CD533

U-373-AdLacZ U-373-EGFR-CD533 (3 MOI)

B



← EGFR

← EGFR-  
CD533

Figure 30

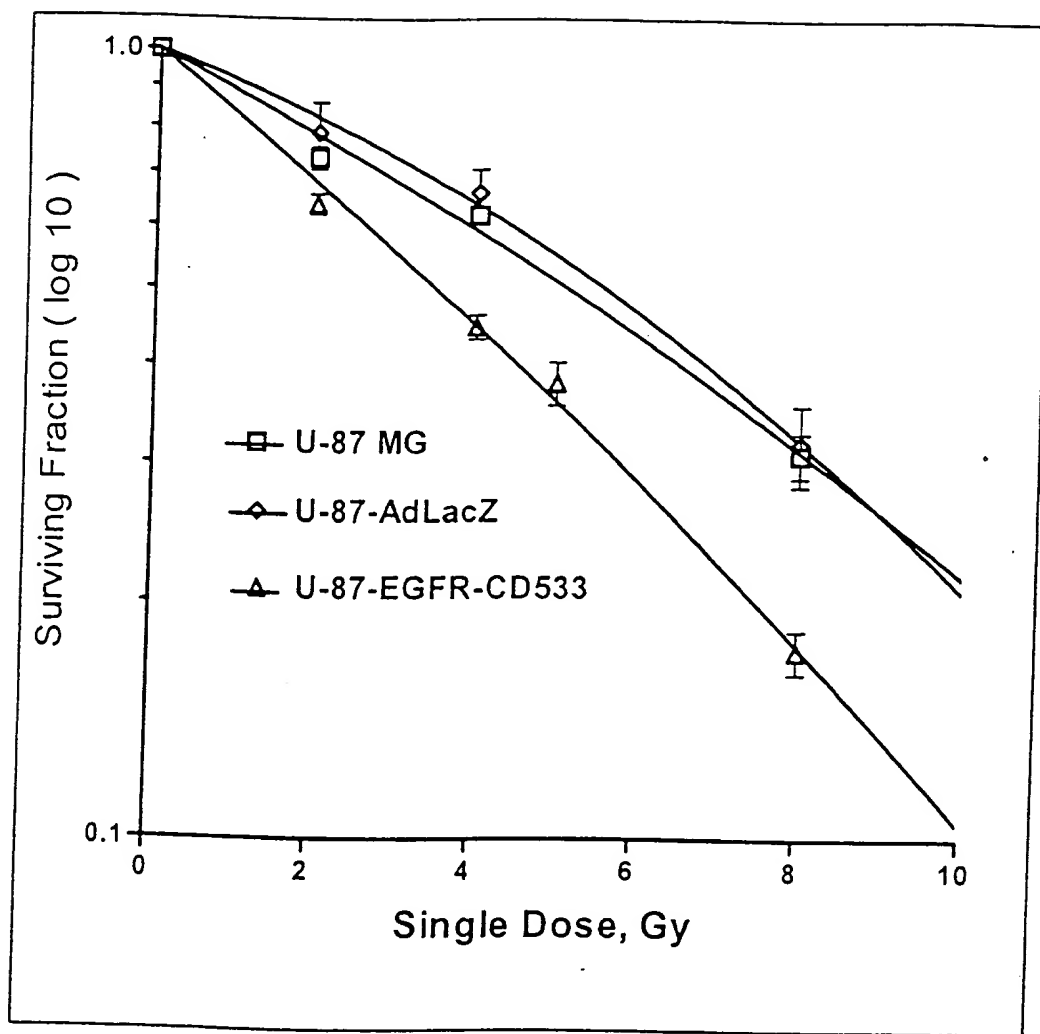


Figure 31

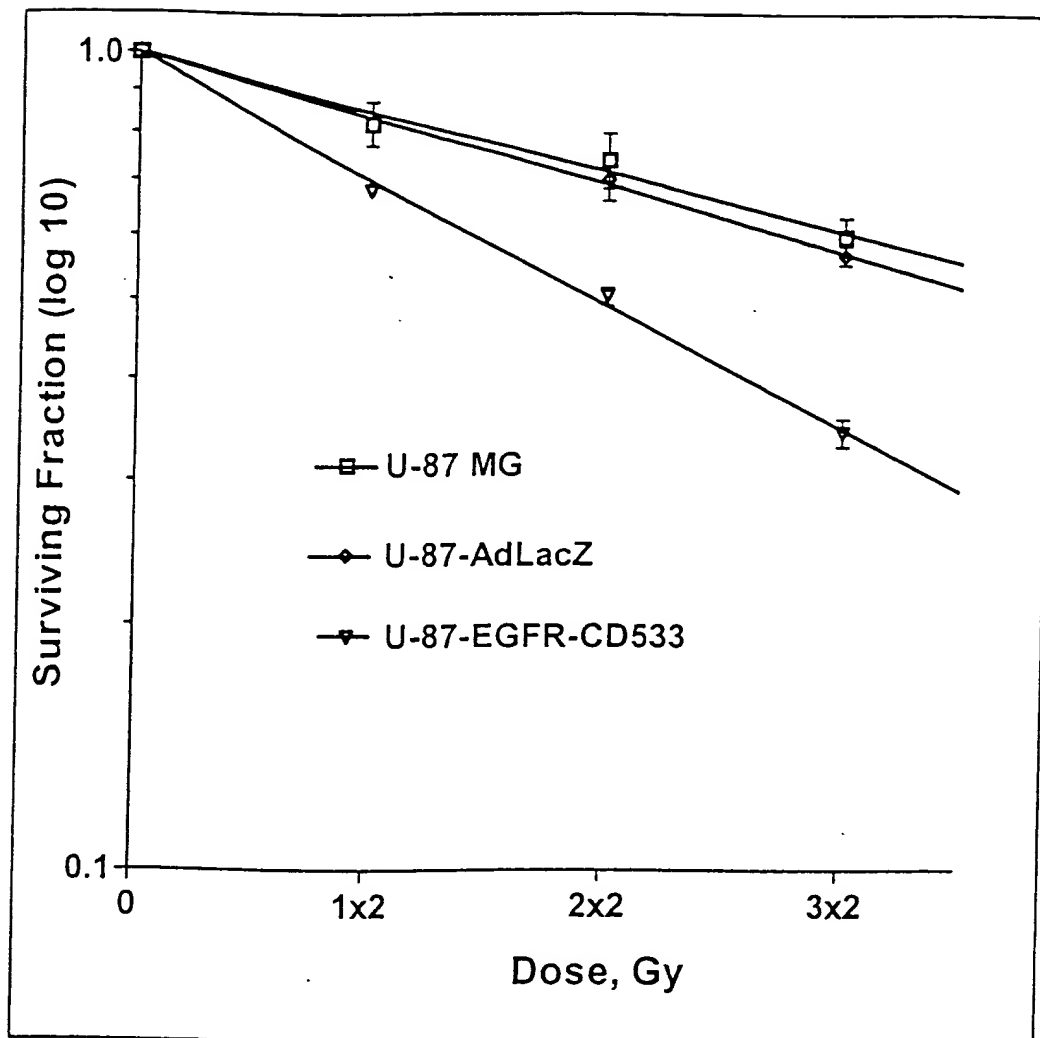


Figure 32

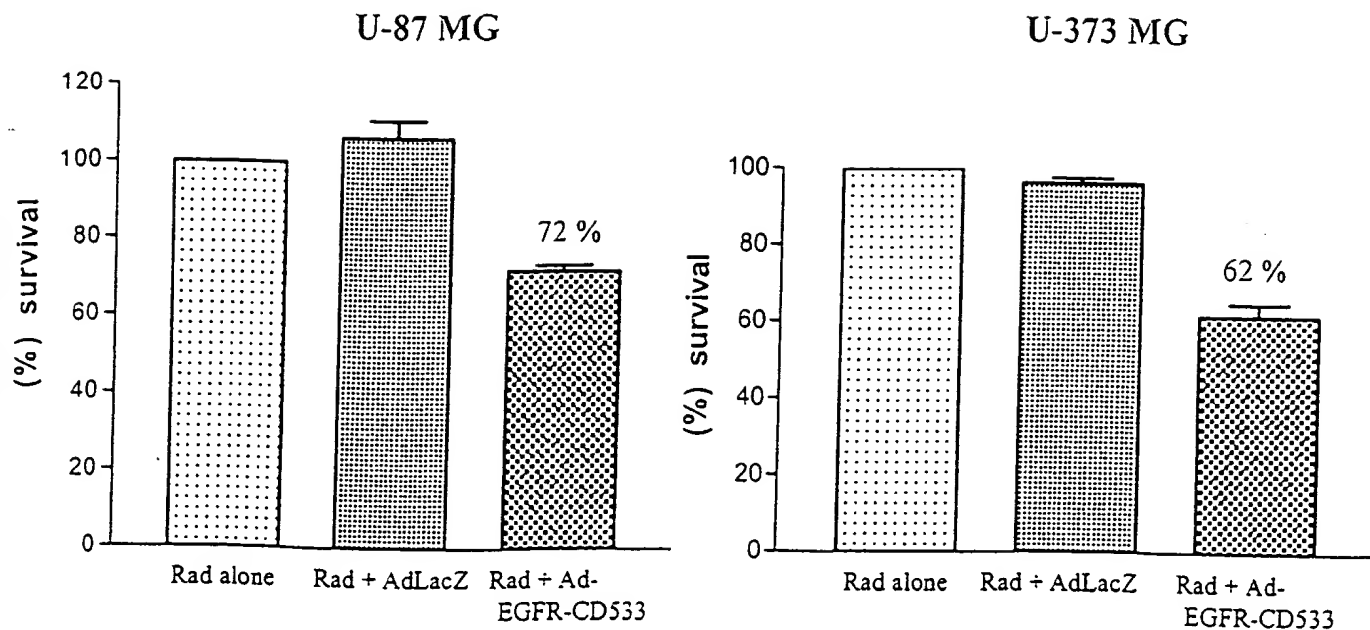




Figure 33

# U-87 MG Tumor Xenografts

